



**Name**

**Tang-Chuan Wang**

**Current Positions**

1. Chairman of Otolaryngology - Head and Neck Surgery, China Medical University Hsinchu Hospital, Hsinchu, Taiwan
2. Department of Otolaryngology, School of Medicine, College of Medicine, China Medical University, Taichung, Taiwan

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**E-Portfolio Website**

**<http://www.cmu-hch.cmu.edu.tw/Doctor/DoctorInfo/67>**

**Personal Website**

### **Education**

Medicine, China Medical University, Taichung, Taiwan  
Occupational and Environmental Medicine, China Medical University, Taichung, Taiwan  
Public Health, China Medical University, Taichung, Taiwan  
Research scholar of Harvard Medical School, MA, USA  
Research scholar of University of Iowa Hospitals, IA, USA  
Fellow of the American College of Surgeons

### **Expertise**

1.Otolaryngology 2.Audiology 3.Otoacoustic emissions 4.Tinnitus advanced therapy 5.Eustachian tuboplasty  
6.Noise induced hearing loss 7.Hearing aids 8.Obstructive sleep apnea 9.Rhinosinusitis and allergy rhinitis  
10.Minimally Invasive Surgery (Endoscopic, Robotic and Navigation surgery) 11.Public Health  
12.Occupational and Environmental Medicine 13.Biomedical Engineering & Biodesign 14.Telemedicine

### **Research Interests**

Dr. Tang-Chuan Wang is an excellent otolaryngologist—head and neck surgeon in Taiwan. He is very good at minimally Invasive surgery (Endoscopic, Robotic and Navigation surgery). Besides, he is not only working hard on clinical and basic medicine but also launching out into public health in Taiwan. In recent years, he has devoted himself to medical innovations and telemedicine.

### **Selected Grants:**

1. The Relationship between Characteristics of Road Traffic Noise and Auditory System - Applications of Otoacoustic Emissions and Salivary Cortisol (MOST 108-2314-B-039-029)
2. The inverse scattering problem of otoacoustic emissions and its seemingly conflicting applications in two topics: cochlear hearing assessment, and biometric identification (107-2221-E-007-093-MY2)

### **Selected Publications**

1. Wang, Tang-Chuan\*、Richard Tyler、Ying-Ju Lin、Liang Wen-Miin、Yio-Wha Shau、Wei-Yong Lin、Yi-Wen Chen、Chia-Der Lin、Ming-Hsui Tsai. Noise Induced Hearing Loss and Tinnitus-New Research Developments and Remaining Gaps in Disease Assessment, Treatment, and Prevention. Brain Sciences.2020 Oct;10(10):732-
2. Wang, Tang-Chuan\*、Lin, Chia-Der、TZU-CHING SHIH、Hsiung-kuang Chung、Tsou, Yung-An、Ching-Hsuan Huang、Ming-Hsui Tsai. Comparison of Balloon Dilation and Laser Eustachian Tuboplasty in Patients with Eustachian Tube Dysfunction. OTOLARYNGOLOGY-HEAD AND NECK SURGERY.2018 Apr;158(4):617-626

### **Selected Patents**

1. Smart Remote System of Hearing Aids (2020) M600046. Tang-Chuan Wang、Tzu-Ching Shih